EZ FORM CABLE
AS9100 CERTIFIED

EZ-47-CU

Cable Specification Sheet

This specification sheet outlines the characteristics for EZ-47-CU, a 50Ω coax cable with silver plated copper center conductor and copper outer conductor.

DIMENSIONS	Units	EZ-47-CU
Outer Conductor Diameter	in	0.047
	mm	1.19
Center Conductor Diameter	in	0.0113
	mm	0.287
Dielectric Diameter	in	0.037
	mm	0.94

MATERIALS

Outer Conductor	Copper
Outer Conductor Plating	None
Dielectric	PTFE
Center Conductor	SPC
RoHS Compliant	YES

MECHANICAL CHARACTERISTICS

Temperature Range	°C	-55 to +100°C
Inside Bend Radius (Minimum)	in	0.05
	mm	1.27
Weight	lbs/100ft	0.4
	kg/100m	0.59

ELECTRICAL CHARACTERISTICS**

Nominal Impedance	Ohms	50.0 ± 2.5
Velocity of Propagation	-	69.50%
Shielding Effectiveness	db	>165
Voltage Withstanding	VRMS @ 60 Hz	2000
Continuous Working Voltage	VRMS MAX	1000
Maximum Operating Frequency	Ghz	109
Attenuation (db / 100 Ft Typical)	.5 Ghz	24
	1 Ghz	34
	5 Ghz	79
	10 Ghz	114
	18 Ghz	156
	26.5 Ghz	195
	40 Ghz	245
	50 Ghz	278
	65 Ghz	323
	90 Ghz	390
Power (Watts Cw @ 20°C, Maximum)	.5 Ghz	80
	1 Ghz	55
	5 Ghz	25
	10 Ghz	17
	18 Ghz	12
	26.5 Ghz	10
	40 Ghz	8
	50 Ghz	7
	65 Ghz	6
	90 Ghz	5

* Allow additional .001" for plating

** Applicable at ambient temperature. Contact factory for performance over temperature range.